

# Daily Report

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## Intro

I finished reading [1] as planned yesterday. The visual community extraction project was going on.

## Reading

[1] introduces a framework to support large-scale assessment of topical relevance. This work is for machine learning experts who want to investigate topic quality from a topic model and tune the model parameters. In this framework, each latent topic without semantic information can be assigned to a real topic or classified as “junk”, “fused”, “missing” and “repeated” topics. The expert can use this framework to compare topics with proper similarity measure. In my opinion, this paper is an example of how to introduce a visualization framework into the field of machine learning, which was lacked in my previous visual knowledge transfer project.

## References

- [1] J. Chuang, S. Gupta, C. D. Manning, and J. Heer, “Topic Model Diagnostics: Assessing Domain Relevance via Topical Alignment,” in *ICML 2012*, 2012.